TABLE 7-3a

Early career doctorates who indicate that various aspects of their sampled positions met or exceeded their expectations, by position type, employment setting, and position characteristics: 2017 (Percent)

Selected characteristic	Increased subject matter knowledge	Conducted own independent research	Published papers	Presented papers at a professional conference	Taught courses	Provided clinical or professional services	Supervised others	Wrote grant proposals	Worked in interdisciplinary research environments	Collaborated or networked with colleagues	Developed marketable products
Number of early career doctorates for whom the item was applicable (denominator)	184,100	176,500	176,500	177,700	170,600	91,100	164,900	160,900	168,600	182,700	96,200
Percentage of early career doctorates	87.2	77.2	73.4	80.8	84.1	57.4	79.8	65.2	72.0	77.3	41.8
Position type <sup>a</sup>											
Faculty	85.6	75.9	74.4	82.3	95.2	60.2	80.9	67.6	67.8	73.9	40.1
Tenured faculty	86.4	81.3	82.4	87.6	96.0	66.5	84.1	71.7	70.3	76.2	42.8
Tenure-track faculty	85.5	82.5	80.3	89.5	96.4	59.6	82.8	74.7	71.1	74.8	43.0
Non-tenure track faculty with rank	88.4	69.7	67.9	77.4	89.8	66.7	83.7	59.5	67.4	79.7	36.9
Other faculty, no rank or tenure	83.6	53.7	50.9	58.2	94.5	50.9	70.2	41.8	54.3	66.2	32.4
Postdoctoral scholar	91.3	84.6	75.2	79.9	47.6	40.7	73.7	59.7	81.2	81.1	39.9
Research scientist or nonfaculty researcher	93.1	80.4	73.6	80.1	51.1	49.9	79.8	69.6	88.6	89.6	56.3
Other positions	86.9	64.2	56.7	69.8	73.7	69.6	86.8	55.1	69.9	87.2	46.7
Employment setting											
Academic institution <sup>b</sup>	87.0	77.0	73.1	80.7	85.2	57.7	80.0	65.2	71.1	76.7	41.2
Very high research activity university	89.4	82.5	76.4	83.1	76.6	55.4	80.1	69.7	79.1	80.3	43.6
High research activity university	85.9	75.4	72.5	80.1	90.3	57.3	80.5	64.9	65.6	73.4	39.1
Other college or university	84.5	70.8	69.3	78.0	92.6	60.2	79.8	59.4	63.1	73.6	39.0
FFRDC	92.9	81.5	79.2	83.0	44.1	47.8	74.9	65.4	90.8	90.1	51.9
Position tenure											
1 year or less	86.2	73.1	71.5	76.8	89.1	56.7	77.3	59.8	67.9	75.7	44.1
More than 1 year but less than 5 years	87.5	78.7	73.2	81.0	78.9	56.1	78.9	65.8	74.4	77.4	43.0
5 years or more	87.1	75.9	74.7	82.3	91.7	60.4	82.8	66.4	68.9	77.6	38.0
First-position status											
First position held after doctoral award	87.8	78.1	73.1	80.4	82.0	56.0	78.5	62.0	71.8	78.1	41.0
Not the first position	86.7	76.4	73.6	81.2	86.0	58.8	81.0	68.0	72.3	76.5	42.5
Position related to doctoral degree											

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Early career doctorates who indicate that various aspects of their sampled positions met or exceeded their expectations, by position type, employment setting, and position characteristics: 2017

(Percent)

Selected characteristic	Increased subject matter knowledge	Conducted own independent research	Published papers	Presented papers at a professional conference	Taught courses	Provided clinical or professional services	Supervised others	Wrote grant proposals	Worked in interdisciplinary research environments	Collaborated or networked with colleagues	Developed marketable products
Closely	88.2	80.0	76.6	83.9	86.8	58.8	81.2	67.4	72.8	77.9	42.6
Somewhat	84.5	66.9	61.3	70.0	74.0	52.0	75.4	57.5	69.7	75.1	38.9
Not at all	76.2	56.6	53.9	55.0	68.9	55.4	70.0	44.6	64.0	73.2	40.6
Hours worked per week											
Less than 35 hours	88.6	64.4	59.1	63.6	90.6	53.9	69.7	42.6	55.6	71.5	36.1
35-44 hours	87.6	78.6	74.0	80.8	80.3	57.0	77.8	63.7	74.7	80.0	44.9
45-54 hours	88.9	79.7	75.7	83.6	84.3	57.9	80.7	66.0	73.8	78.3	39.2
55 hours or more	84.3	75.4	73.3	81.4	85.8	58.5	83.7	70.6	70.2	74.2	42.9

FFRDC = federally funded research and development center.

## Note(s):

Counts are rounded to the nearest 100. Percentages are calculated from unrounded counts and rounded to the nearest 10th of a percent. "Not applicable" responses are excluded from the denominator for each column variable.

## Source(s):

National Center for Science and Engineering Statistics, Early Career Doctorates Survey, 2017.

<sup>&</sup>lt;sup>a</sup> Other faculty, no rank or tenure, positions includes all other faculty positions such as instructors, lecturers, and adjuncts. Postdoctoral scholar positions are temporary positions in academe, industry, government, or a nonprofit organization primarily for gaining additional education and training in research. Other positions are diverse but are typically university administrators and staff.

b Academic institutions include U.S. academic institutions in the Survey of Graduate Students and Postdoctorates in Science and Engineering that grant master's and doctorate degrees in science, engineering, and health-related fields.